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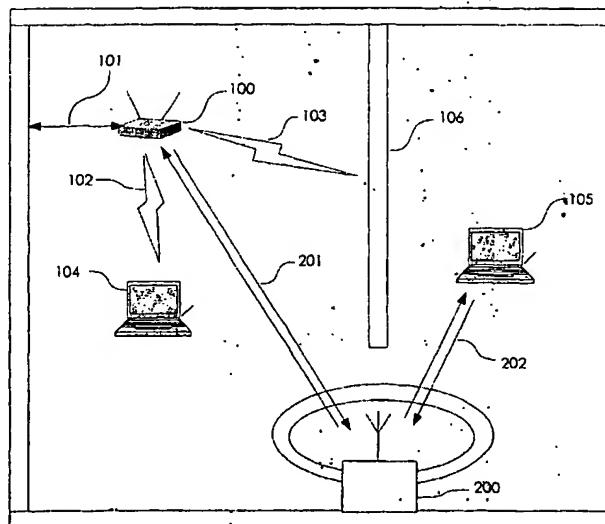
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- (71) Applicant (*for all designated States except US*): WIDEFI, INC. [US/US]; 476 Hwy A1A, Suite 3, Satellite Beach, FL 32937 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): PROCTOR, James, A., Jr. [US/US]; c/o WiDeFi, Inc., 476 Hwy A1A, Suite 3, Satellite Beach, FL 32937 (US). GATNEY, Kenneth, M. [US/US]; c/o WiDeFi, Inc., 476 Hwy A1A, Suite 3, Satellite Beach, FL 32937 (US).
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(54) Title: WIRELESS LOCAL AREA NETWORK REPEATER WITH DETECTION



(57) Abstract: A frequency translating repeater (200) for use in a time division duplex radio protocol communications system includes an automatic gain control feature. Detection is performed by comparators (401, 411) ADCs (402, 412); DACs (404, 414) and a processor (315). Detection can be overridden by processor (315) using logic elements (406, 416, 407, and 417) to control the generation of a Channel A/Channel B signal and a PA-ON signal for controlling a power amplifier associated with the transmitter.

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*